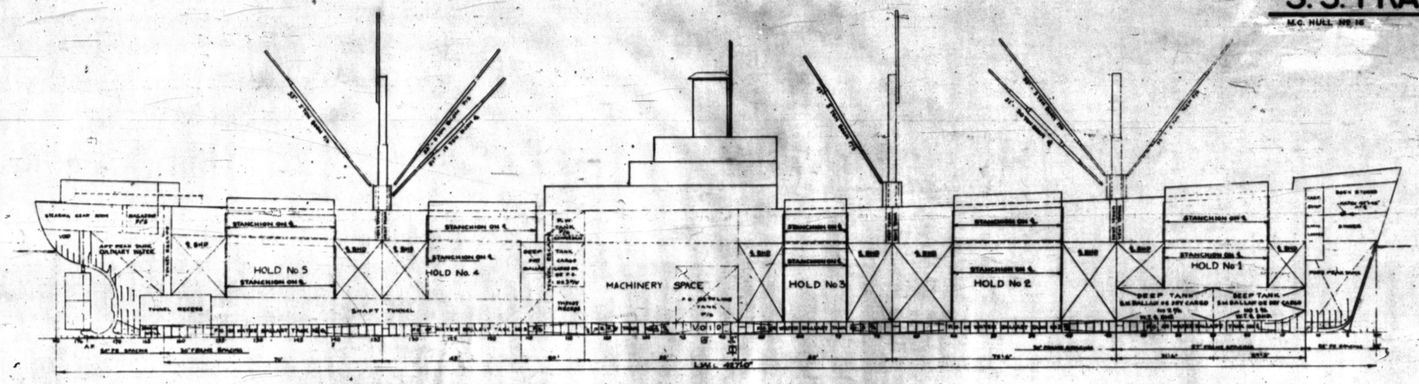
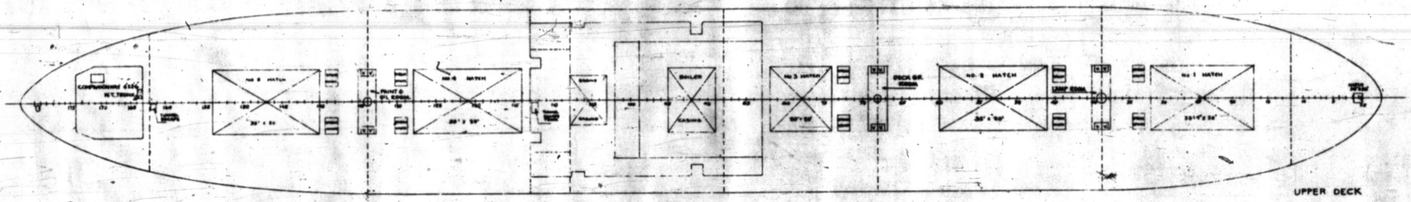
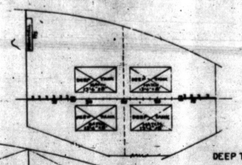
FRANCES SCOTT KEY U.S.
Y10142 IN
U.S. COAST GUARD

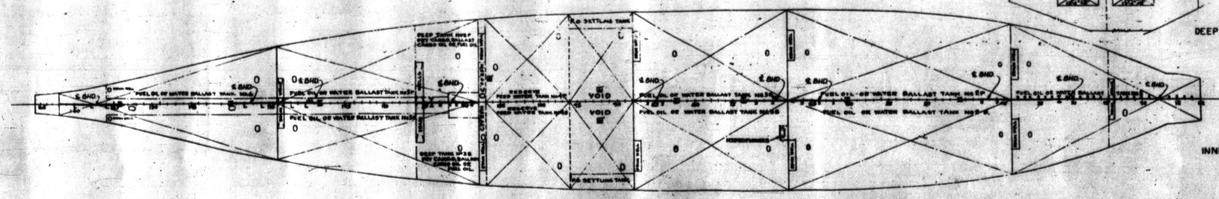
S. S. FRANCIS SCOTT KEY

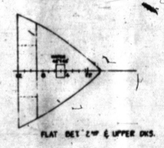
M.C. HULL NO. 16 — S.P. HULL NO. 2003











CARGO

COMPARTMENT		GRAIN CAP C.F	BALE CAP C.F
HOLD NO. 1	HOLD	41257	36083
	'TWEEN DECKS	43572	39994
HOLD NO. 2	HOLD	88660	92008
	'TWEEN DECKS	46744	42630
HOLD NO. 3	HOLD	68459	59793
	'TWEEN DECKS	27870	23904
HOLD NO. 4	HOLD	58841	52574
	'TWEEN DECKS	35277	29689
HOLD NO. 5	HOLD	58820	51571
	'TWEEN DECKS	34570	30984
DEEP TANKS	NO.1 P.	3639	2759
	NO.1 S.	3639	3004
	NO.2 P.	7473	5894
	NO.2 S.	7473	5878
	NO.3 P.	13674	12506
	NO.3 S.	13188	12084
	TOTAL	563256	500,245

WATER BALLAST

TANK		CU FT	TONS @ 35CF
FORE PEAK		5073	145
WATER BALLAST	NO.1	5028	144
" "	NO.2 P.	5967	170
" "	NO.2 S.	5967	170
" "	NO.3 P.	4400	126
" "	NO.3 S.	4365	125
" "	NO.5 P.	4351	125
" "	NO.5 S.	4391	125
" "	NO.6	4118	118
AFTER PEAK		5436	155
DEEP TANKS	NO.1 P.	3973	114
	NO.1 S.	3973	114
	NO.2 P.	7340	210
	NO.2 S.	7340	210
	NO.3 P.	13540	387
	NO.3 S.	13065	373
	TOTAL	90370	2581

FRESH WATER

TANK		GALS	TONS@36CF
RESERVE FEED	NO.4 P.	17853	66
" "	NO.4 S.	17868	66
FRESH WATER	FR.100-113 P.	7341	28
" "	FR.100-113 S.	7341	28
	TOTAL	50724	188

FUEL OIL

TANK		GALS	TONS@37.2CF
FUEL OIL TANK	NO.1	36863	132
" "	NO.2 P.	43742	157
" "	NO.2 S.	43742	157
" "	NO.3 P.	32281	116
" "	NO.3 S.	31985	115
" "	NO.5 P.	32185	116
" "	NO.5 S.	32185	116
" "	NO.6	30183	108
	TOTAL	285106	1017
F.O. SETTLING TANK	FR.88-96 P.	14083	51
" "	FR.88-96 S.	14083	51
	TOTAL	28166	102
CARGO OIL OR FUEL OIL			
DEEP TANK	NO.3 P.	99257	356
" "	NO.3 S.	96772	344
	TOTAL	196029	700
	TOTAL (ALL F.O.)	509301	1819

STORES

STORE ROOM	CU. FT.
BOSN STORES ON 2ND DECK FR 12 TO FR 12	3034
BOSN. STORES ON FLAT BET. 2ND & UPPER DKS.	3492
CABIN STORES 2ND DK. (FRS 88-106	4329
LINEN LOCKER	585
BORDED STORES	186
REFRIGERATED STORES:	
MEAT	801
FISH	173
VEGETABLES	768
DAIRY	176

PRINCIPAL DIMENSIONS

L.O.A.	441'6"
L.B.P. (25 3/4" W.L.)	416'0"
BREADTH, MLD.	56'10 3/4"
BREADTH, EXTREME	57'0"
DEPTH TO UPPER DECK, MLD.	37'4"
DEPTH TO SECOND DECK, MLD.	28'7"
DRAFT	

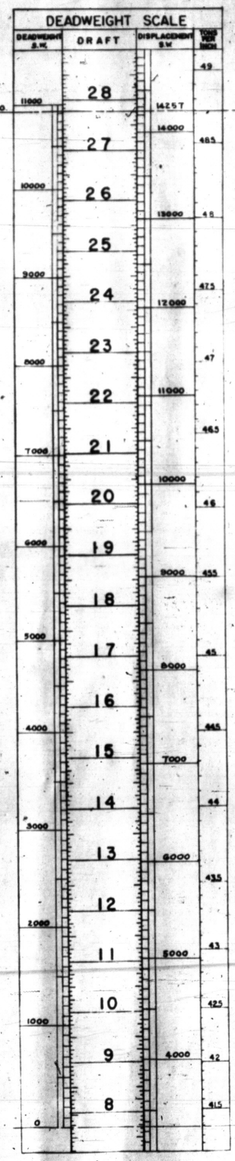
CAPACITIES & TYPES OF WINCHES
7x12 DBL. GEARED WINCHES FOR 5 TON & 30 TON BOOMS
8 1/2 x 12 " " WINCH FOR 50 TON BOOM

HEIGHTS OF MASTS

FIXED MAST ABOVE DECK		FOREMAST	40'-3"
" " "	"	FR.88	42'-11"
" " "	"	FR.124	42'-2"
TELESCOPIC	"	FR.88	62'-11"
"	"	FR.134	62'-2"

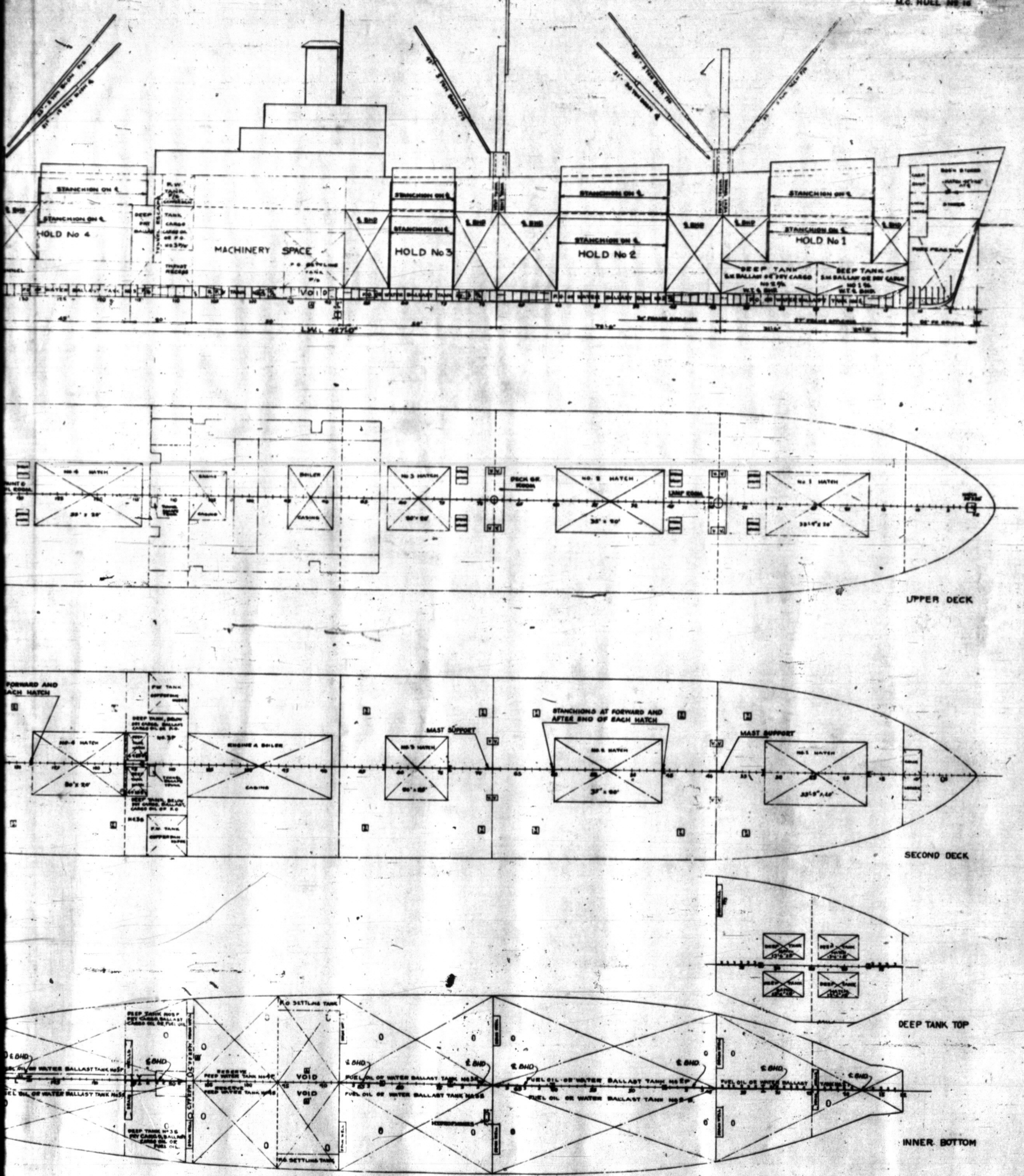
ENGINE
DIRECT ACTING CONDENSING THREE CYLINDER TRIPLE EXPANSION ENGINE DEVELOPING 2500 I.H.P. AT 78 R.P.M.

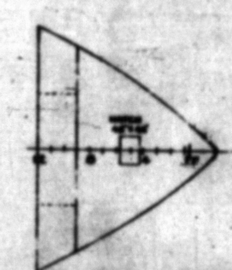
BOILERS
TWO MAIN BOILERS OF THE CROSS DRUM SECTIONAL SINUOUS HEADER STRAIGHT TUBE TYPE FITTED WITH SUPER HEATERS, BURNING BUNKER C FUEL OIL



S.S. FRANCIS SCOTT KEY

M.C. HULL NO. 14 B.F. HULL NO. 2003





FLAT BET. 2ND & UPPER DKS.

CARGO

COMPARTMENT		GRAIN CAP.	BALE CAP.
HOLD NO. 1		C.F.	C.F.
	HOLD	41257	36083
	'TWEEN DECKS	43572	39994
HOLD NO. 2			
	HOLD	98860	92008
	'TWEEN DECKS	46744	42630
HOLD NO. 3			
	HOLD	68459	59793
	'TWEEN DECKS	27970	23904
HOLD NO. 4			
	HOLD	58841	52574
	'TWEEN DECKS	35277	29689
HOLD NO. 5			
	HOLD	58620	51571
	'TWEEN DECKS	34570	30884
DEEP TANKS	NO. 1 P.	3639	2729
	NO. 1 S.	3639	3004
	NO. 2 P.	7473	5294
	NO. 2 S.	7473	5578
	NO. 3 P.	13674	12506
	NO. 3 S.	13188	12024
	TOTAL	563256	500,245

WATER BALLAST

TANK		CU. FT.	TONS @ 35 CF
FORE PEAK		5073	145
WATER BALLAST	NO. 1	5029	144
" "	NO. 2 P.	5967	170
" "	NO. 2 S.	5967	170
" "	NO. 3 P.	4400	126
" "	NO. 3 S.	4365	125
" "	NO. 5 P.	4391	125
" "	NO. 5 S.	4391	125
" "	NO. 6	4118	118
AFTER PEAK		5456	155
DEEP TANKS	NO. 1 P.	3973	114
	NO. 1 S.	3973	114
	NO. 2 P.	7340	210
	NO. 2 S.	7340	210
	NO. 3 P.	13540	387
	NO. 3 S.	13065	373
	TOTAL	98370	2811

FRESH WATER

TANK		GAL'S	TONS @ 36 CF
RESERVE FEED	NO. 4 P.	17855	66
" "	NO. 4 S.	17855	66
FRESH WATER	FR. 108-113 P.	7541	28
" "	FR. 108-113 S.	7541	28
	TOTAL	50792	188

FUEL OIL

TANK		GAL'S	TONS @ 37.23 CF
FUEL OIL TANK	NO. 1	36865	152
" " "	NO. 2 P.	43742	157
" " "	NO. 2 S.	43742	157
" " "	NO. 3 P.	32251	116
" " "	NO. 3 S.	31965	115
" " "	NO. 5 P.	32185	116
" " "	NO. 5 S.	32185	116
" " "	NO. 6	30185	108
	TOTAL	283106	1017
F.O. SETTLING TANK	FR. 88-96 P.	14083	51
" " "	FR. 88-96 S.	14083	51
	TOTAL	28166	102
CARGO OIL OR FUEL OIL			
DEEP TANK	NO. 3 P.	99257	356
" "	NO. 3 S.	95772	344
	TOTAL	195029	700
	TOTAL (ALL F.O.)	506301	1819

STORES

STORE ROOM	CU. FT.
BOS'N STORES ON 2ND DECK F.P. TO FR.12	3034
BOS'N STORES ON FLAT BET. 2ND & UPP. DKS.	3492
CABIN STORES 2ND DK. (FRS. 88-106)	4329
LINEN LOCKER	585
BONDED STORES	186
REFRIGERATED STORES:	
MEAT	801
FISH	173
VEGETABLES	768
DAIRY	176

PRINCIPAL DIMENSIONS

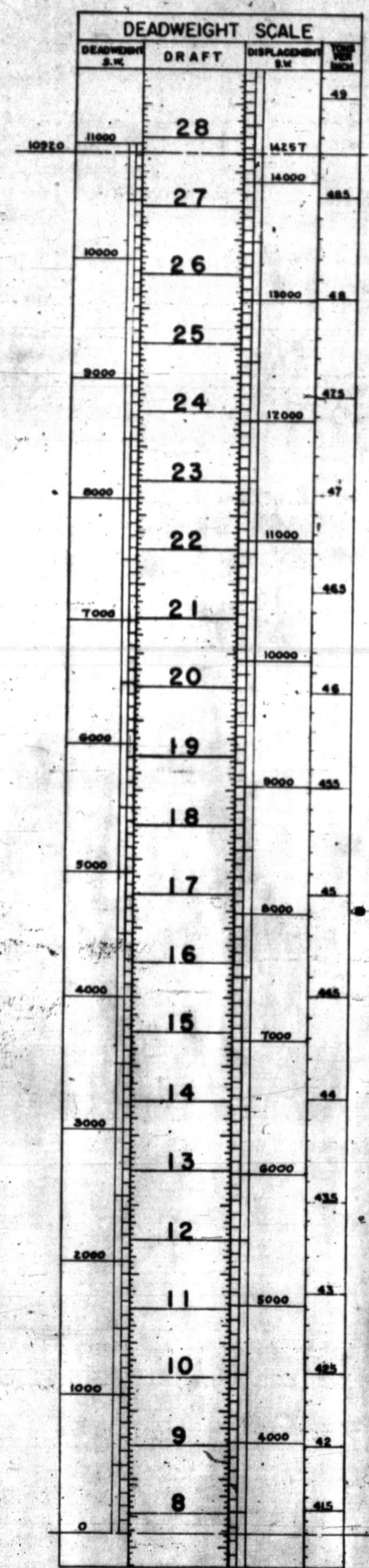
L.O.A. .... 441'-6"
L.B.P. (25'-3 3/4" W.L.) .... 416'-0"
BREADTH, MLD. .... 56'-10 3/4"
BREADTH, EXTREME .... 57'-0"
DEPTH TO UPPER DECK, MLD. .... 37'-4"
DEPTH TO SECOND DECK, MLD. .... 28'-7"
DRAFT ....

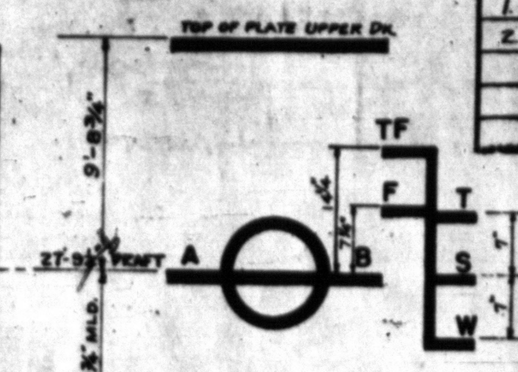
CAPACITIES & TYPES OF WINCHES
7x12 DBL. GEARED WINCHES FOR 5, 15 & 30 TON BOOMS
9x12 " " WINCH FOR 50 TON BOOM

HEIGHTS OF MASTS
FIXED MAST ABOVE DECK FOREMAST ...... 40'-3 11/16"
" " " " FR. 68 ...... 42'-11 3/16"
" " " " FR. 134 ...... 42'-2 7/16"
TELESCOPIC " " " FR. 68 ...... 62'-11 3/16"
" " " " FR. 134 ...... 62'-2 7/16"

ENGINE
DIRECT ACTING CONDENSING THREE CYLINDER TRIPLE EXPANSION ENGINE DEVELOPING 2500 I.H.P. AT 76 R.P.M.

BOILERS
TWO MAIN BOILERS OF THE CROSS DRUM SECTIONAL SINUOUS HEADER STRAIGHT TUBE TYPE FITTED WITH SUPER HEATERS, BURNING BUNKER C FUEL OIL





No.	ALTERATIONS	DATE	REMARKS
1.	SIZE OF 50 TON WINCH REVISED TO AGREE WITH VENDOR'S PLAN	6/4/41	
2.	CORRECTED SPACE - AFT END - 2ND DK FROM STORES TO MAGAZINE	12-23-42	

NOTE
THE LIGHT WEIGHT OF THE SHIP INCLUDES THE 4" GUN AFT, 4-50 CALIBER MACHINE GUNS, 4-30 CALIBER MACHINE GUNS AND AMMUNITION

DESIGN NO. EC2-S-C1

UNITED STATES MARITIME COMMISSION
EMERGENCY SHIP CONTRUCTION DIVISION

CAPACITY PLAN

SCALE 1/16" = 1'-0" DATE 1-21-42

DRAWN S.E. (H.G.) APPROVED [signature]
TRACED APPROVED
CHECKED C.C. APPROVED

BETHLEHEM-FAIRFIELD SHIPYARD, INCORPORATED
FAIRFIELD BALTIMORE MD

M.C.E. PLAN NO. 14 TO 63 / 301 TO 312 S 29-1-1-2

APPROVED AS NOTED IN
M.C.E. LETTER DATED 2-5-42
M.C.E. FILE NO. S-29
BY W.G. ESMOND
BY